FIG.1

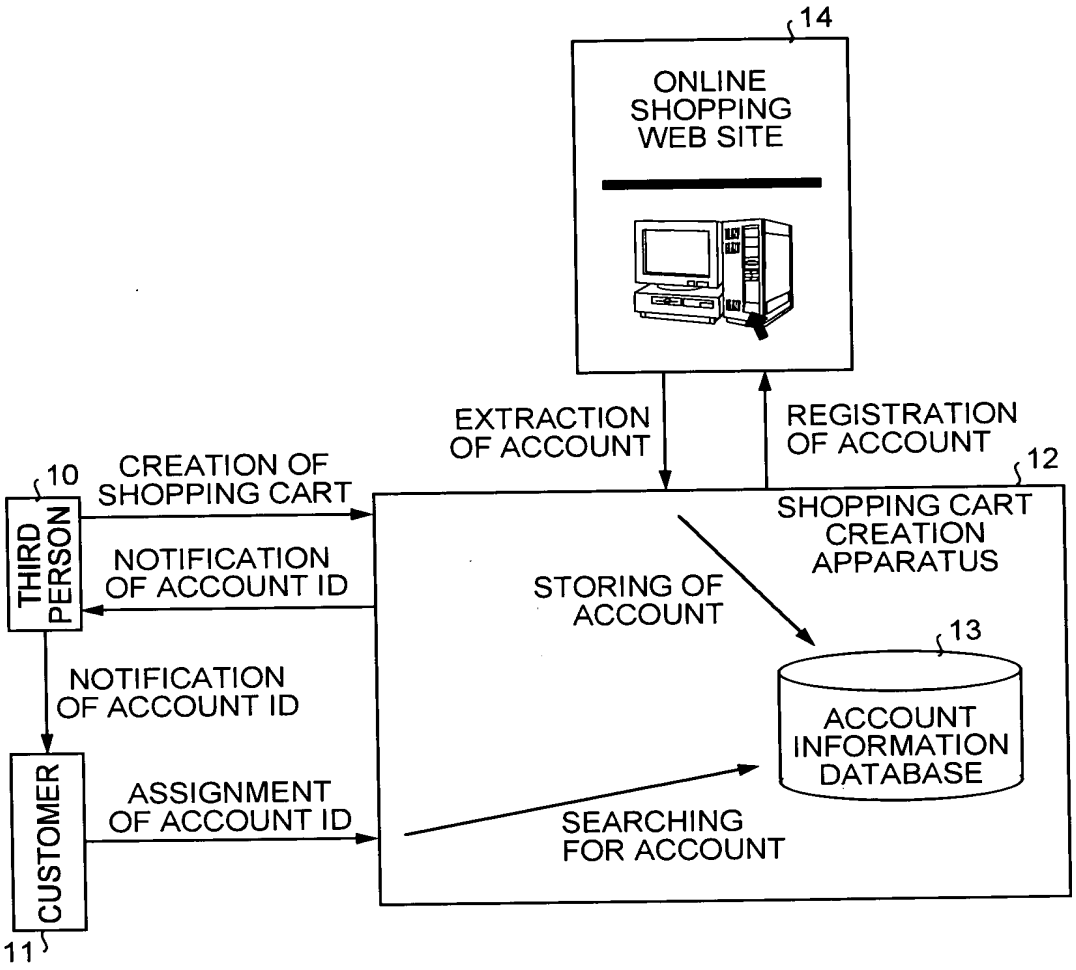

14
ONLINE SHOPPING WEB SITE
EXTRACTION OF ACCOUNT
REGISTRATION OF ACCOUNT
12
SHOPPING CART CREATION APPARATUS
10
THIRD PERSON
CREATION OF SHOPPING CART
NOTIFICATION OF ACCOUNT ID
STORING OF ACCOUNT
13
ACCOUNT INFORMATION DATABASE
NOTIFICATION OF ACCOUNT ID
CUSTOMER
ASSIGNMENT OF ACCOUNT ID
SEARCHING FOR ACCOUNT
11

FIG.2

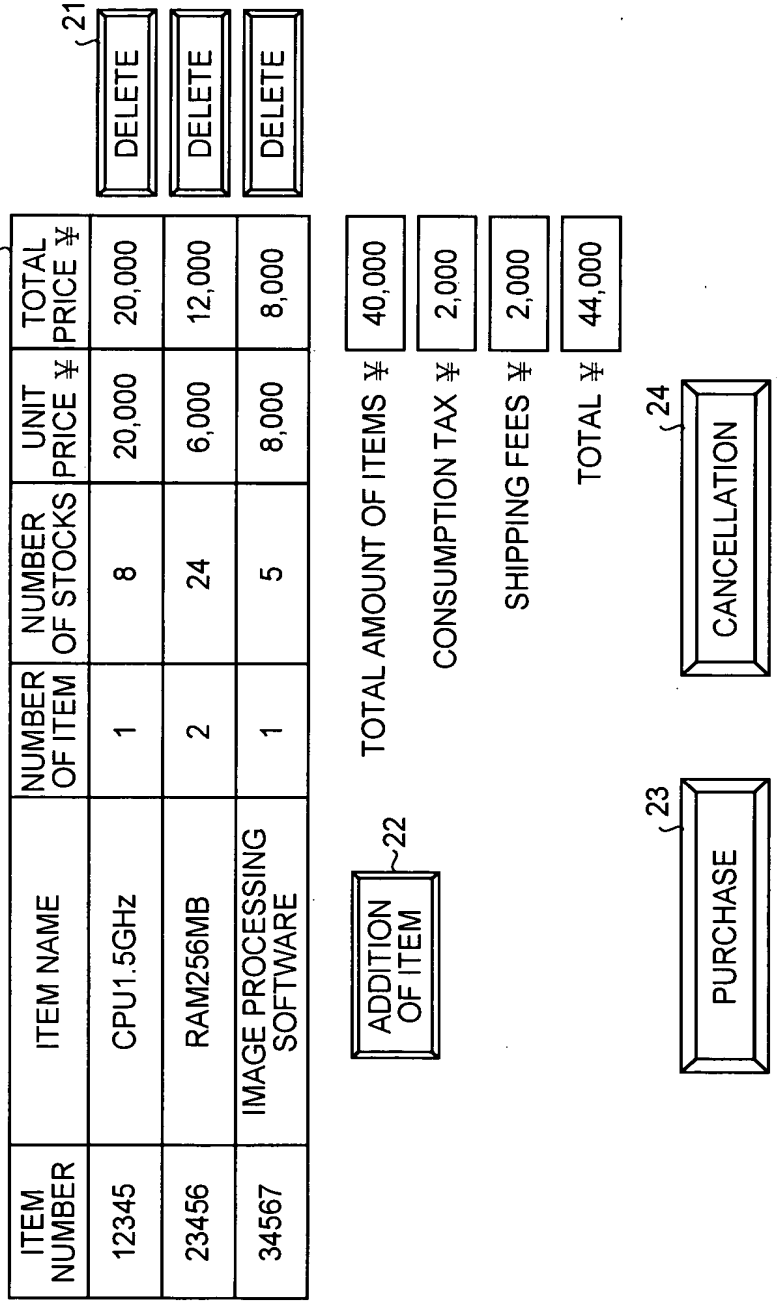

20
21
DELETE
DELETE
DELETE
ITEM NUMBER
ITEM NAME
NUMBER OF ITEM
NUMBER OF STOCKS
UNIT PRICE ¥
TOTAL PRICE ¥
12345
CPU1.5GHz
1
8
20,000
20,000
23456
RAM256MB
2
24
6,000
12,000
34567
IMAGE PROCESSING SOFTWARE
1
5
8,000
8,000
22
ADDITION OF ITEM
TOTAL AMOUNT OF ITEMS ¥
40,000
CONSUMPTION TAX ¥
2,000
SHIPPING FEES ¥
2,000
TOTAL ¥
44,000
23
PURCHASE
24
CANCELLATION

FIG.3

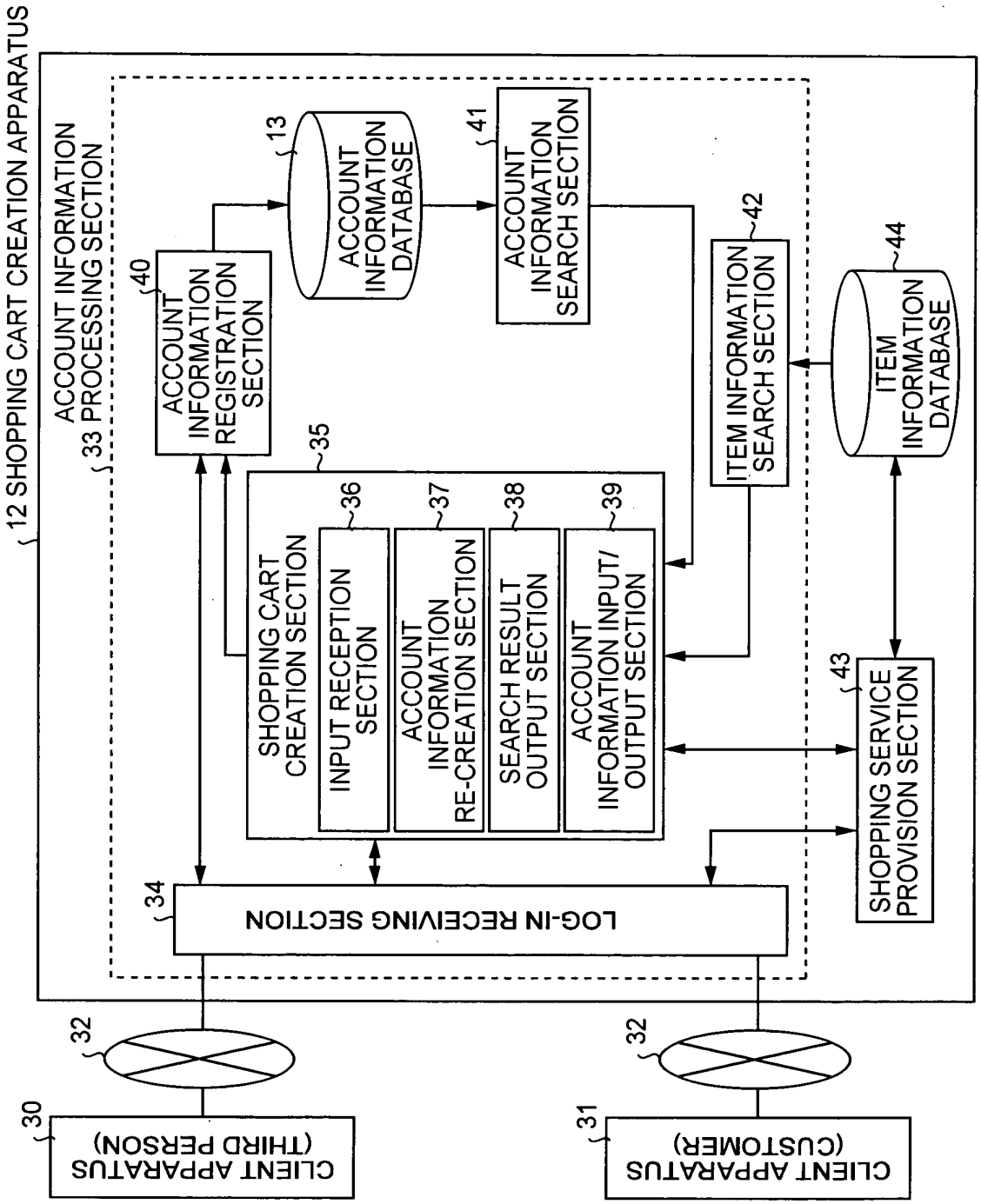

12 SHOPPING CART CREATION APPARATUS
ACCOUNT INFORMATION PROCESSING SECTION 33
ACCOUNT INFORMATION REGISTRATION SECTION 40
ACCOUNT INFORMATION DATABASE 13
ACCOUNT INFORMATION SEARCH SECTION 41
ITEM INFORMATION SEARCH SECTION 42
ITEM INFORMATION DATABASE 44
SHOPPING CART CREATION SECTION 35
INPUT RECEPTION SECTION 36
ACCOUNT INFORMATION RE-CREATION SECTION 37
SEARCH RESULT OUTPUT SECTION 38
ACCOUNT INFORMATION INPUT/ OUTPUT SECTION 39
LOG-IN RECEIVING SECTION 34
SHOPPING SERVICE PROVISION SECTION 43
32
32
CLIENT APPARATUS (THIRD PERSON) 30
CLIENT APPARATUS (CUSTOMER) 31

FIG.4

ITEM NUMBER	CONTENTS
1 ACCOUNT ID	1234567 ; fsij3nd
2 ACCOUNT CREATION INFORMATION	ICHIRO SUZUKI ; uvwxyz ; 2002.1.1
3 CUSTOMER INFORMATION	JIRO TANAKA; abcdef; KAWASAKI-CHO 1-1-1, KAWASAKI-SHI, KANAGAWA-KEN
4 ITEM INFORMATION 1	12345 ; CPU1.5GHz ; 1
5 ITEM INFORMATION 2	23456 ; RAM256MB ; 2
6 ITEM INFORMATION 3	34567 ; IMAGE PROCESSING SOFTWARE; 1

FIG.5

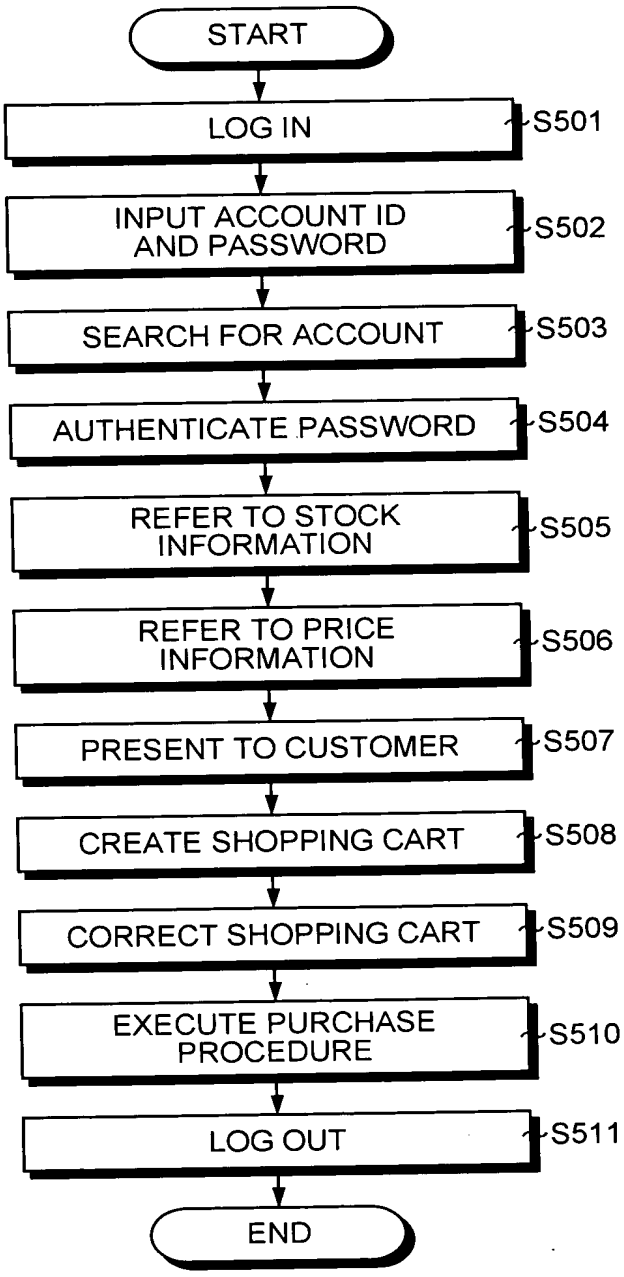

START
LOG IN
S501
INPUT ACCOUNT ID AND PASSWORD
S502
SEARCH FOR ACCOUNT
S503
AUTHENTICATE PASSWORD
S504
REFER TO STOCK INFORMATION
S505
REFER TO PRICE INFORMATION
S506
PRESENT TO CUSTOMER
S507
CREATE SHOPPING CART
S508
CORRECT SHOPPING CART
S509
EXECUTE PURCHASE PROCEDURE
S510
LOG OUT
S511
END

FIG.6

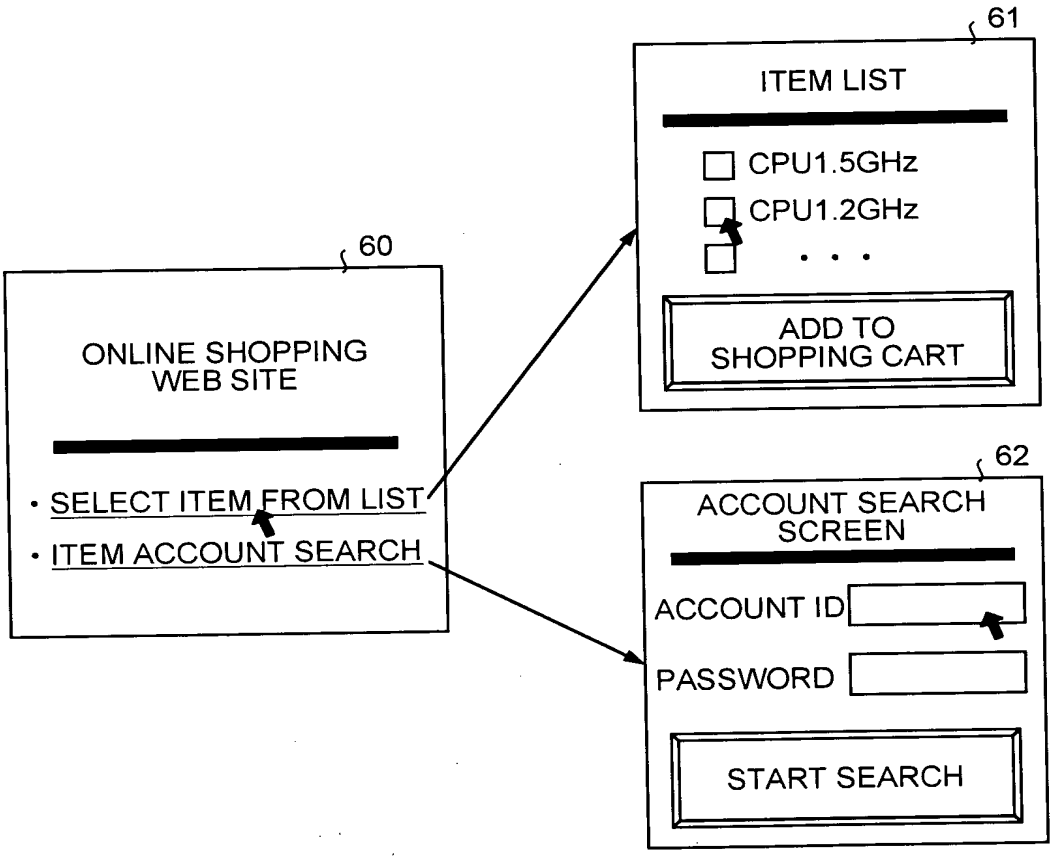

61
ITEM LIST
CPU1.5GHz
CPU1.2GHz
ADD TO SHOPPING CART
60
ONLINE SHOPPING WEB SITE
• SELECT ITEM FROM LIST
• ITEM ACCOUNT SEARCH
62
ACCOUNT SEARCH SCREEN
ACCOUNT ID
PASSWORD
START SEARCH

FIG.7

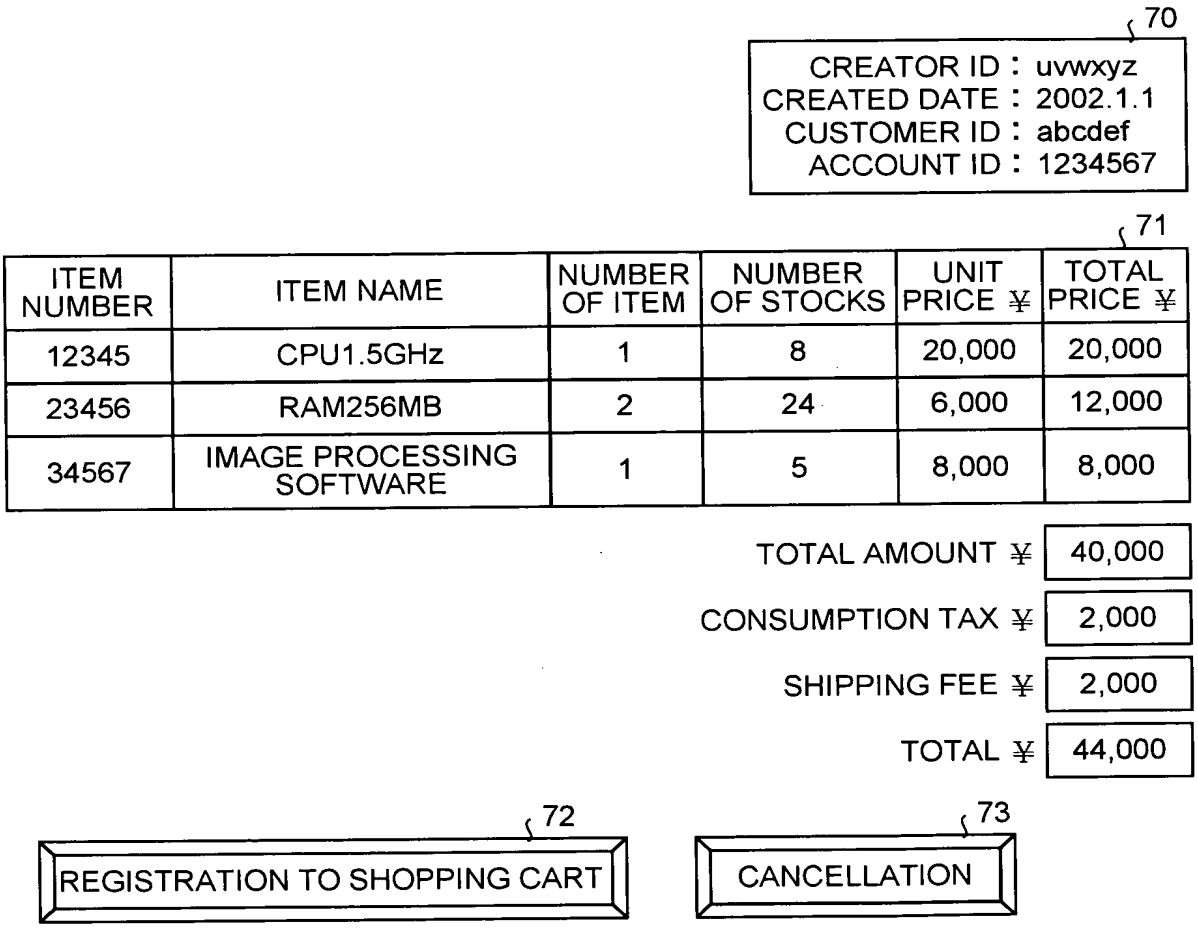

70
CREATOR ID : uvwxyz
CREATED DATE : 2002.1.1
CUSTOMER ID : abcdef
ACCOUNT ID : 1234567
71
ITEM NUMBER
ITEM NAME
NUMBER OF ITEM
NUMBER OF STOCKS
UNIT PRICE ¥
TOTAL PRICE ¥
12345
CPU1.5GHz
1
8
20,000
20,000
23456
RAM256MB
2
24
6,000
12,000
34567
IMAGE PROCESSING SOFTWARE
1
5
8,000
8,000
TOTAL AMOUNT ¥ 40,000
CONSUMPTION TAX ¥ 2,000
SHIPPING FEE ¥ 2,000
TOTAL ¥ 44,000
72
REGISTRATION TO SHOPPING CART
73
CANCELLATION

FIG.8

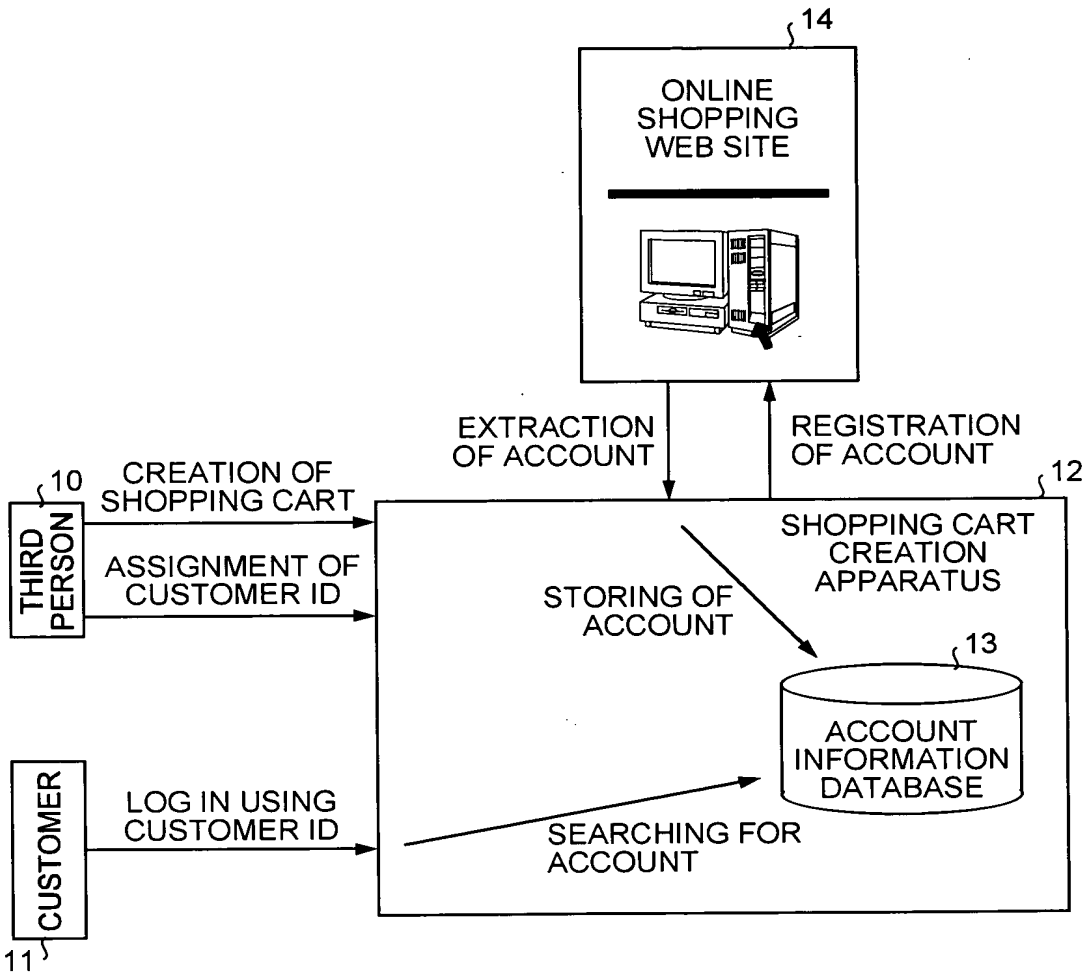

14
ONLINE SHOPPING WEB SITE
EXTRACTION OF ACCOUNT
REGISTRATION OF ACCOUNT
10
THIRD PERSON
CREATION OF SHOPPING CART
ASSIGNMENT OF CUSTOMER ID
12
SHOPPING CART CREATION APPARATUS
STORING OF ACCOUNT
13
ACCOUNT INFORMATION DATABASE
CUSTOMER
LOG IN USING CUSTOMER ID
SEARCHING FOR ACCOUNT
11

FIG.9

No.1 ☐ SELECT THIS ACCOUNT (90)

70

CREATOR ID :	uvwxyz
CREATED DATE :	2002.1.1
CUSTOMER ID :	abcdef
ACCOUNT ID :	1234567

71

ITEM NUMBER	ITEM NAME	NUMBER OF ITEM	NUMBER OF STOCKS	UNIT PRICE ¥	TOTAL PRICE ¥
12345	CPU1.5GHz	1	8	20,000	20,000
23456	RAM256MB	2	24	6,000	12,000
34567	IMAGE PROCESSING SOFTWARE	1	5	8,000	8,000

TOTAL AMOUNT ¥	40,000
CONSUMPTION TAX ¥	2,000
SHIPPING FEE ¥	2,000
TOTAL ¥	44,000

No.2 ☑ SELECT THIS ACCOUNT (90)

70

CREATOR ID :	uvwxyz
CREATED DATE :	2002.1.2
CUSTOMER ID :	abcdef
ACCOUNT ID :	1234568

71

ITEM NUMBER	ITEM NAME	NUMBER OF ITEM	NUMBER OF STOCKS	UNIT PRICE ¥	TOTAL PRICE ¥
12345	CPU1.5GHz	1	8	20,000	20,000
23456	RAM256MB	4	24	6,000	24,000
34567	IMAGE PROCESSING SOFTWARE	1	5	8,000	8,000

TOTAL AMOUNT ¥	52,000
CONSUMPTION TAX ¥	2,600
SHIPPING FEE ¥	2,000
TOTAL ¥	56,600

REGISTRATION TO SHOPPING CART (72)

CANCELLATION (73)

FIG.10

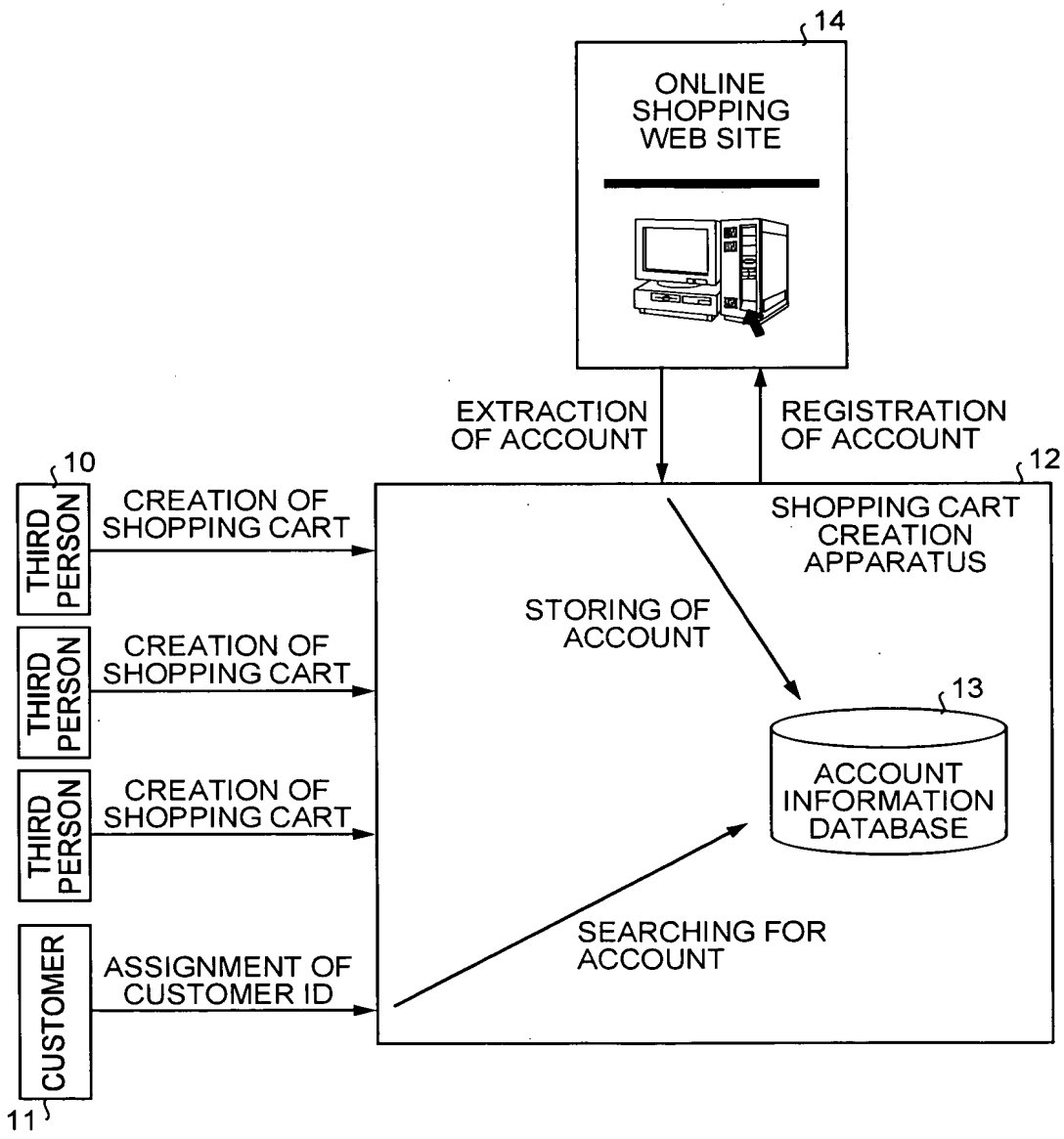

14
ONLINE SHOPPING WEB SITE
EXTRACTION OF ACCOUNT
REGISTRATION OF ACCOUNT
12
SHOPPING CART CREATION APPARATUS
10
THIRD PERSON
CREATION OF SHOPPING CART
THIRD PERSON
CREATION OF SHOPPING CART
THIRD PERSON
CREATION OF SHOPPING CART
CUSTOMER
ASSIGNMENT OF CUSTOMER ID
11
STORING OF ACCOUNT
13
ACCOUNT INFORMATION DATABASE
SEARCHING FOR ACCOUNT

FIG.11

No.1 ☐ SELECT THIS ACCOUNT (90)

ITEM NUMBER	ITEM NAME	NUMBER OF ITEM	NUMBER OF STOCKS	UNIT PRICE ¥	TOTAL PRICE ¥
12345	CPU1.5GHz	1	8	20,000	20,000
23456	RAM256MB	1	24	6,000	6,000

(71)

TOTAL AMOUNT ¥	26,000
CONSUMPTION TAX ¥	1,300
SHIPPING FEE ¥	2,000
TOTAL ¥	29,300

No.2 ☐ SELECT THIS ACCOUNT (90)

ITEM NUMBER	ITEM NAME	NUMBER OF ITEM	NUMBER OF STOCKS	UNIT PRICE ¥	TOTAL PRICE ¥
12345	CPU1.5GHz	1	8	20,000	20,000
23456	RAM256MB	2	24	6,000	12,000
34567	IMAGE PROCESSING SOFTWARE	1	5	8,000	8,000

(71)

TOTAL AMOUNT ¥	40,000
CONSUMPTION TAX ¥	2,000
SHIPPING FEE ¥	2,000
TOTAL ¥	44,000

No.3 ☑ SELECT THIS ACCOUNT (90)

ITEM NUMBER	ITEM NAME	NUMBER OF ITEM	NUMBER OF STOCKS	UNIT PRICE ¥	TOTAL PRICE ¥
12345	CPU1.5GHz	1	8	20,000	20,000
23456	RAM256MB	2	24	6,000	12,000
34567	IMAGE PROCESSING SOFTWARE	1	5	8,000	8,000

(71)

TOTAL AMOUNT ¥	52,000
CONSUMPTION TAX ¥	2,600
SHIPPING FEE ¥	2,000
TOTAL ¥	56,600

REGISTRATION TO SHOPPING CART (72)

CANCELLATION (73)

FIG.12

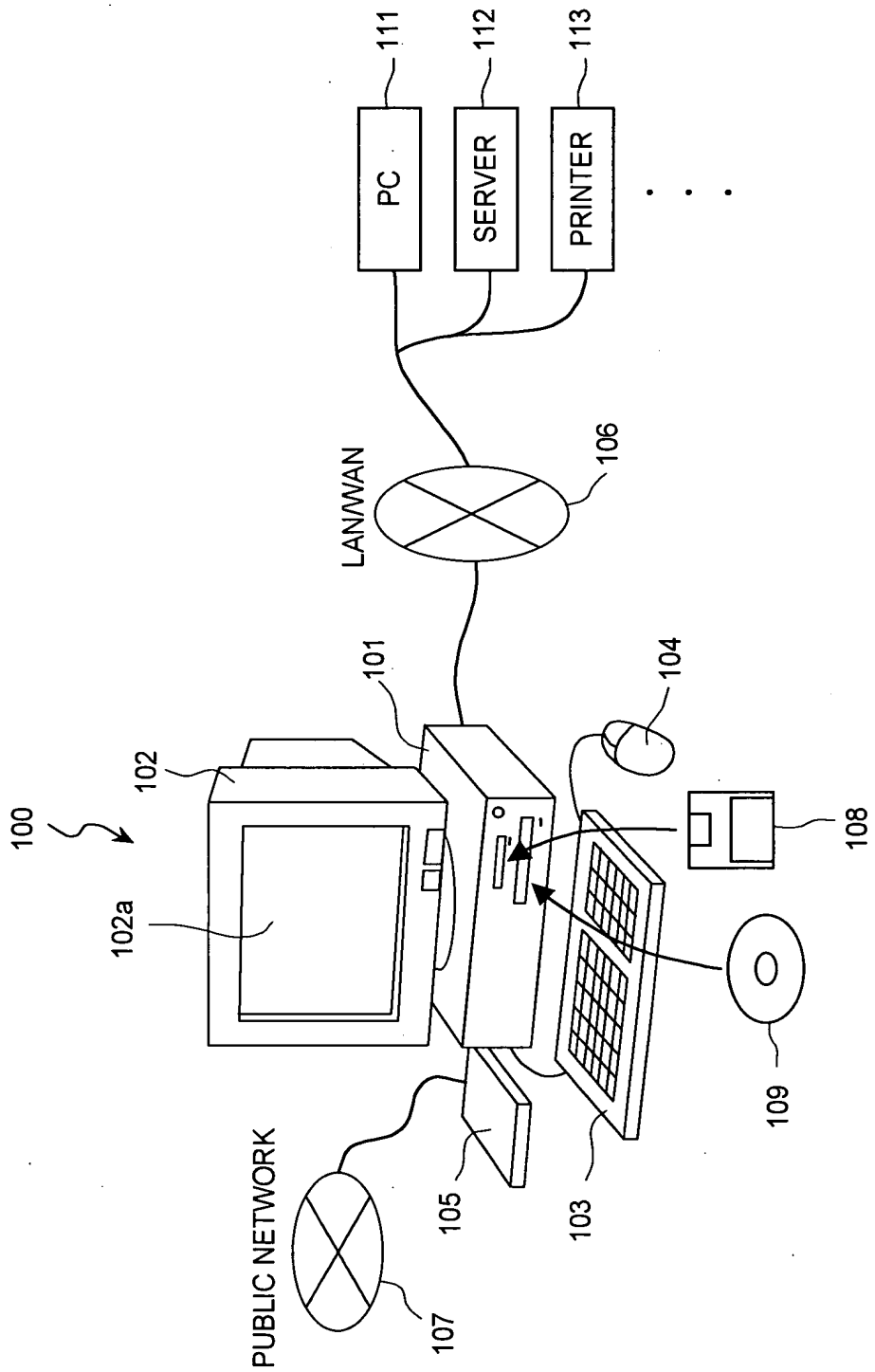
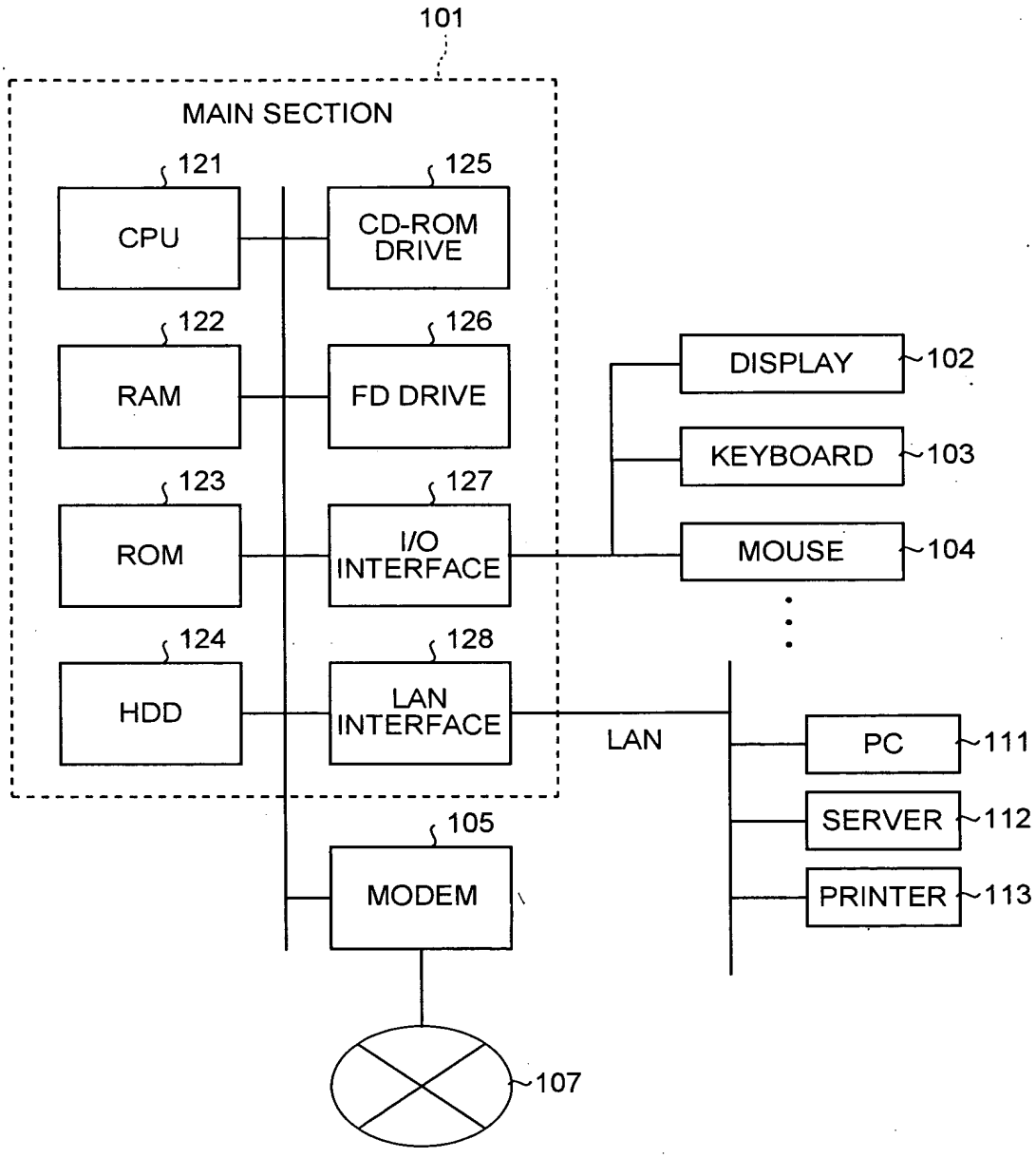

100
102
102a
101
104
108
109
103
105
107
PUBLIC NETWORK
LAN/WAN
106
111
112
113
PC
SERVER
PRINTER

FIG.13


101
MAIN SECTION
121
CPU
125
CD-ROM DRIVE
122
RAM
126
FD DRIVE
123
ROM
127
I/O INTERFACE
124
HDD
128
LAN INTERFACE
105
MODEM
107
DISPLAY
102
KEYBOARD
103
MOUSE
104
LAN
PC
111
SERVER
112
PRINTER
113